

ABSTRACT

The purpose of the present invention is to improve
a detection accuracy of a pilot signal detection circuit.
5 A pilot detection signal voltage is input to a
differential amplifier circuit 16 and a reference voltage
generated by a reference signal generation circuit 17
is input to a differential amplifier circuit 19. A pilot
signal is compared with the reference voltage by the
10 differential amplifier circuits 16 and 19. Output
currents of the differential amplifier circuits 16 and
19 are converted into voltages by a current-to-voltage
conversion circuit 21. And an input to the
current-to-voltage conversion circuit 21 is fed back
15 with a voltage proportionate with an offset voltage of
the circuit and the offset voltage of the pilot signal
detection circuit is cancelled.